

# Vincenzina Barbera

## List of Publications by Citations

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30  
papers

329  
citations

12  
h-index

17  
g-index

35  
ext. papers

377  
ext. citations

4.9  
avg, IF

3.17  
L-index

#	Paper	IF	Citations
30	Palladium(II)/Copper Halide/Solvent Combination for Selective Intramolecular Domino Reactions of Indolecarboxylic Acid Allylamides: An Unprecedented Arylation/Esterification Sequence. <i>Advanced Synthesis and Catalysis</i> , <b>2012</b> , 354, 159-170	5.6	54
29	Selective Intramolecular Palladium(II)-Catalyzed Aminooxygenation vs. Diamination of Alkenylureas: Efficient Microwave-Assisted Reactions to Bicyclic Piperazinones. <i>Advanced Synthesis and Catalysis</i> , <b>2013</b> , 355, 1640-1648	5.6	38
28	Biobased Janus molecule for the facile preparation of water solutions of few layer graphene sheets. <i>RSC Advances</i> , <b>2015</b> , 5, 81142-81152	3.7	19
27	Crystallinity and crystalline phase orientation of poly(1,4-cis-isoprene) from <i>Hevea brasiliensis</i> and <i>Taraxacum kok-saghyz</i> . <i>Polymers for Advanced Technologies</i> , <b>2016</b> , 27, 1082-1090	3.2	19
26	FACILE FUNCTIONALIZATION OF $sp^2$ CARBON ALLOTROPES WITH A BIOBASED JANUS MOLECULE. <i>Rubber Chemistry and Technology</i> , <b>2017</b> , 90, 285-307	1.7	17
25	Selective edge functionalization of graphene layers with oxygenated groups by means of Reimer-Tiemann and domino Reimer-Tiemann/Cannizzaro reactions. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 7749-7761	13	15
24	Carbon Papers and Aerogels Based on Graphene Layers and Chitosan: Direct Preparation from High Surface Area Graphite. <i>Biomacromolecules</i> , <b>2017</b> , 18, 3978-3991	6.9	15
23	Thermally reversible highly cross-linked polymeric materials based on furan/maleimide Diels-Alder adducts. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	15
22	Supramolecular interactions of carbon nanotubes with biosourced polyurethanes from 2-(2,5-dimethyl-1H-pyrrol-1-yl)-1,3-propanediol. <i>Polymer</i> , <b>2015</b> , 63, 62-70	3.9	14
21	Polyhydroxylated few layer graphene for the preparation of flexible conductive carbon paper. <i>RSC Advances</i> , <b>2016</b> , 6, 87767-87777	3.7	14
20	Functionalization of Single and Multi-Walled Carbon Nanotubes with Polypropylene Glycol Decorated Pyrrole for the Development of Doxorubicin Nano-Conveyors for Cancer Drug Delivery. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	13
19	Domino Reaction for the Sustainable Functionalization of Few-Layer Graphene. <i>Nanomaterials</i> , <b>2018</b> , 9,	5.4	13
18	Design, Synthesis, Molecular Docking and Crystal Structure Prediction of New Azasugar Analogues of $\beta$ -Glucosidase Inhibitors. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 7278-7287	3.2	12
17	Facile and sustainable functionalization of graphene layers with pyrrole compounds. <i>Pure and Applied Chemistry</i> , <b>2018</b> , 90, 253-270	2.1	10
16	Catalytic Ozonation Using Edge-Hydroxylated Graphite-Based Materials. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 17443-17452	8.3	9
15	Master curves for the sulphur assisted crosslinking reaction of natural rubber in the presence of nano- and nano-structured $sp^2$ carbon allotropes. <i>EXPRESS Polymer Letters</i> , <b>2017</b> , 11, 435-448	3.4	9
14	Environmentally Friendly and Regioselective One-Pot Synthesis of Imines and Oxazolidines Serinol Derivatives and Their Use for Rubber Cross-Linking. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 9356-9366	8.3	7

13	sp <sup>2</sup> carbon allotropes in elastomer matrix: From master curves for the mechanical reinforcement to lightweight materials. <i>EXPRESS Polymer Letters</i> , <b>2018</b> , 12, 265-283	3-4	7
12	Tuning the Solubility Parameters of Carbon Nanotubes by Means of Their Adducts with Pyrrole Compounds. <i>Nanomaterials</i> , <b>2020</b> , 10,	5-4	5
11	Anisotropic properties of elastomeric nanocomposites based on natural rubber and sp <sup>2</sup> carbon allotropes. <i>EXPRESS Polymer Letters</i> , <b>2018</b> , 12, 713-730	3-4	5
10	Synthesis and biological evaluation of 1,7,8,8a-tetrahydro-3H-oxazolo[3,4-a]pyrazin-6(5H)-ones as antitumoral agents. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 5748-53	3-4	4
9	Polyether from a biobased Janus molecule as surfactant for carbon nanotubes. <i>EXPRESS Polymer Letters</i> , <b>2016</b> , 10, 548-558	3-4	4
8	Edge Functionalized Graphene Layers for (Ultra) High Exfoliation in Carbon Papers and Aerogels in the Presence of Chitosan. <i>Materials</i> , <b>2019</b> , 13,	3-5	3
7	SERINOL DERIVATIVES FOR THE SUSTAINABLE VULCANIZATION OF DIENE ELASTOMERS. <i>Rubber Chemistry and Technology</i> , <b>2018</b> , 91, 701-718	1-7	3
6	Processing and strain induced crystallization and reinforcement under strain of poly(1,4-cis-isoprene) from Ziegler-Natta catalysis, hevea brasiliensis, taraxacum kok-saghyz and partenium argentatum. <i>Advanced Industrial and Engineering Polymer Research</i> , <b>2019</b> , 2, 1-12	7-3	1
5	Controlled Functionalization of Graphene Layers <b>2017</b> ,		1
4	A Graphene-Based Supramolecular Nanoreactor for the Fast Synthesis of Imines in Water. <i>Small</i> , <b>2020</b> , 16, e2001207	11	1
3	Facile Edge Functionalization of Graphene Layers with a Biosourced 2-Pyrone. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 4082-4093	8-3	0
2	Bionanocomposites based on a covalent network of chitosan and edge functionalized graphene layers. <i>Journal of Applied Biomaterials and Functional Materials</i> , <b>2021</b> , 19, 22808000211017431	1-8	
1	Functionalized sp <sup>2</sup> carbon allotropes as fillers for rubber nanocomposites <b>2020</b> , 43-92		